

February 10, 1964

Declass Review by NIMA/DOD

Subject: Zoom Magnifier

Gentlemen:

STATINTL
STATINTL
STATINTL

Your requirements for a high quality zoom magnifier have been considered in great detail. The instrument desired might well be called a microscope due to the intricate ten element optical system which is necessary to meet these requirements. The complexity of the system and the pitfalls one must consider in such a development are well known to [REDACTED] from experience gained during development of other high quality zoom systems, such as the DynaZoom and Stereozoom microscopes. For this reason a two month preliminary optical and mechanical design analysis has been performed by [REDACTED] to determine feasibility of the instrument. The design goals for a small, light weight, high quality zoom magnifier have been established and the enclosed technical proposal, [REDACTED] 7793, for a "Zoom Magnifier" is submitted for your consideration.

Although the resultant instrument will be small in size (86mm maximum height) a substantial effort is demanded to attain the quality required. The optical design, for instance, will be the equivalent of designing at least three lens systems. A low power, high power and some intermediate power must each be designed, to say nothing of the design considerations necessary so they will all perform together as one system.

A CFPF contract of ten months duration is proposed. Refer to the attached cost breakdown on DD form 633-4 for the elements of cost.

Deliverable items will be:

One (1) Zoom Magnifier

Two (2) Copies - Manual of Operation

Monthly Progress Reports

- 2 -

February 10, 1964

Profit has been determined using the weighted guideline method. A breakdown of the weighting factors and assigned weights will be available for your review during final contract negotiation. Tooling will remain the property of [REDACTED]

STATINTL

If you wish to discuss technical details of the proposed instrument, contact [REDACTED] at [REDACTED] extension 408. I may be reached at [REDACTED] extension 242, and will discuss any cost or contractual questions you may have.

STATINTL

Very truly yours,

STATINTL

[REDACTED]
Analytical & Photogrammetric
Instrument Sales

RHT:bp
Enc.

COST AND PRICE ANALYSIS - RESEARCH AND DEVELOPMENT CONTRACTS

(This form is to be used in lieu of DD Form 633, as provided under ASPR 16-206. It will be executed and submitted with proposals in response to "Requests for Proposals," for the procurement of research and development services. If your cost accounting system does not permit analysis of costs as required, contact the purchasing office for further instructions.)

FORM APPROVED
BUDGET BUREAU NO. 23 - R208

PURCHASE REQUEST NUMBER

TITLE OF PROJECT

ZOOM MAGNIFIER

STATINTL

DETAIL DESCRIPTION

1. DIRECT LABOR (Specify)	ESTIMATED HOURS	RATE/HOUR	TOTAL ESTIMATED COST (Dollars)
Project Management - Section Head	120		
Optical Design - Technical Specialist	50		
Optical Design - Engineer B	450		
Mechanical Design - Designer A	240		
Detail Drafting - Draftsman A	120		
Programming - Mathematician B	30		
Human Engineering - Engineer B	20		
Parts Manufacture & Assembly-Instrument Maker	160		
Optical Manufacturing	170		
TOTAL DIRECT LABOR			
2 BURDEN (Overhead - specify) DEPARTMENT OR COST CENTER	BURDEN RATE	X BASE :	
Engineering	85%	4352	
Manufacturing	200%	1132	
TOTAL BURDEN			
3 DIRECT MATERIAL			
TOTAL MATERIAL			
4. SPECIAL TESTING (Including field work at Government installations)			
TOTAL SPECIAL TESTING			
5. SPECIAL EQUIPMENT (If direct charge - specify in Exhibit B, reverse)			
6. TRAVEL (If direct charge)			
a. TRANSPORTATION			
b. PER DIEM OR SUBSISTENCE			
TOTAL TRAVEL			
7. CONSULTANTS (Identify - purpose - rate)			
TOTAL CONSULTANTS			
8. SUBCONTRACTS (Specify in Exhibit A on reverse)			
9. OTHER DIRECT COSTS (Specify in Exhibit B on reverse - explain royalty costs, if any)			
10. TOTAL DIRECT COST AND BURDEN			
11. GENERAL AND ADMINISTRATIVE EXPENSE (To be 20 % of item nos. 1, 2, 3, 9)			
12. TOTAL ESTIMATED COST			
13. FIXED FEE OR PROFIT (State basis for amount in proposal)			
14. TOTAL ESTIMATED COST AND FIXED FEE OR PROFIT			

DD

FORM 1 SEP 60

633-4

STATINTL

GPO 816121

OVERHEAD RATE AND GENERAL AND ADMINISTRATIVE RATE INFORMATION					
A. GOVERNMENT AUDIT PERFORMED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> PENDING		DATE OF AUDIT 1963		ACCOUNTING PERIOD COVERED 1962	
B. NAME AND ADDRESS OF GOVERNMENT AGENCY MAKING AUDIT U.S. Naval Audit Office 121 Lincoln Avenue Rochester, New York			C. DO YOUR CONTRACTS PROVIDE NEGOTIATED OVER- HEAD RATES (ASPR 3-704)? (If yes, name Agency nego- tiating rates) yes		
D. (If no Government rates have been established furnish the following information)					
DEPARTMENT OR COST CENTER		RATE	BASE	TOTAL INDIRECT EXPENSE POOL	BASE FOR TOTAL
EXHIBIT A - SUBCONTRACT INFORMATION (If more space needed, use blank sheets, identifying item number)					
NAME AND ADDRESS OF SUBCONTRACTOR(S)		SUBCONTRACTED WORK		SUBCONTRACT TYPE AMOUNT	
EXHIBIT B - OTHER DIRECT COSTS (Specify. If more space needed, use blank sheets, identifying item number)					
Tooling:					
STATINTL [REDACTED]					
CERTIFICATE					
The labor rates and overhead costs are current and other estimated costs have been determined by generally accepted accounting principles. Bidder represents: (a) that he <input type="checkbox"/> has, <input checked="" type="checkbox"/> has not, employed or retained any company or person (other than a full-time bona fide employee working solely for the bidder) to solicit or secure his contract, and (b) that he <input type="checkbox"/> has, <input checked="" type="checkbox"/> has not, paid or agreed to pay to any company or person (other than a full-time bona fide employee working solely for the bidder) any fee, commission, percentage or brokerage fee, contingent upon or resulting from the award of this contract, and agrees to furnish information relating to (a) and (b) above, as requested by Contracting Officer. (For interpretation of the representation, including the term "bona fide employee," see (Code of Federal Regulations, Title 44, Part 150.)					
Number of contractor employees <input checked="" type="checkbox"/> Over 500 <input type="checkbox"/> Under 500					
STATINTL [REDACTED] REPRESENTATIVE OF CONTRACTOR					
DATE 2/10/64					